

Precautions

The maximum torque that the impact wrench can apply is 40Nm. We do not recommend the application of a higher torque figure than this (ie, by using a stronger impact wrench or a breaker bar) as this is likely to shear off the head of the glow plug.

Lubricate the tool before every use or daily.



Safety First. Be Protected.

LASER[®]

Impact Glow Plug Removal Kit

1/4"D | 9pc

Instructions



When you have finished with this toolkit please recycle it

www.lasertools.co.uk



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Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.

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Low-torque Air Impact Vibration Tool Set

A low-torque air-powered impact vibration wrench set specifically designed for removing stuck and seized diesel engine glow plugs. Wrench has four pre-set torque settings and is reversible. Set includes three CR MO steel impact sockets (12mm, 11mm, 10mm, 9mm and 8mm), a 1/4"D universal joint for use in restricted access, a 100mm and 50mm extension.

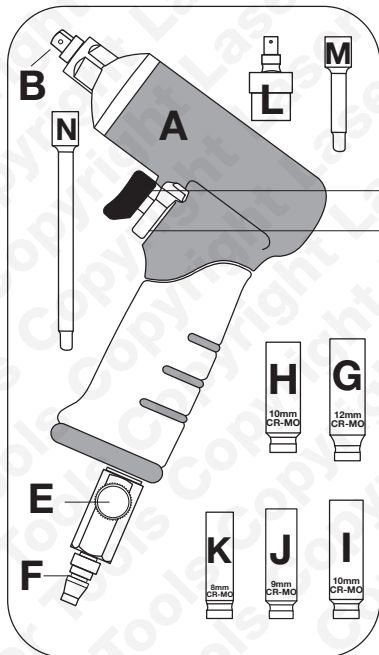
Can be used with other impact sockets to loosen and undo low-torque fixings where conditions (corrosion or carbon build-up) have led to tightness and seizure.

The set includes:

- Low-torque air impact wrench (1/4"D)
- 1/4"D universal joint
- 50mm extension
- 100mm extension
- Impact glow plug socket (12mm)
- Impact glow plug socket (11mm)
- Impact glow plug socket (10mm)
- Impact glow plug socket (9mm)
- Impact glow plug socket (8mm)
- Air-line connector

Set in foam for security and supplied in steel box.

Set Components



Ref	Description
A	Impact Wrench
B	1/4"D
C	Trigger
D	Forward / Reverse
E	Torque / Speed adjuster
F	Air line connector
G	Impact socket 12mm
H	Impact socket 11mm
I	Impact socket 10mm
J	Impact socket 9mm
K	Impact socket 8mm
L	Universal Joint
M	50mm extension
N	100mm extension

Operation

Always refer to the manufacturer's instructions/documentation before attempting to remove or refit glow plug.

The universal joint is supplied to aid fitment of the impact wrench to the socket when access is restricted. Try and keep the wrench as straight as possible to the socket as the torque and vibration are reduced as the angle increases.

Before first use, lubricate the air tool by applying a few drops of a recommended air tool oil through the air line connector (F) then fit air line to the connector and spin up the tool a few times.

Recommended air line pressure: 90psi (minimum).

Choose and fit the correct impact socket for the glow plug to be removed.

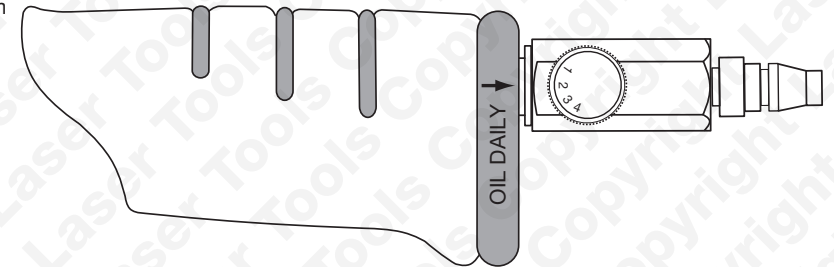
Refer to Torque / Speed adjust diagram. The loosening of the glow plug is a function of the vibration as well as the torque applied, thus there is a time factor involved.

Line up the position indicator (1, 2, 3 or 4) with the arrow on the lower handle (refer to diagram).

The speed adjuster will click into place.

The torque available for each adjuster position is as follows:

- 1: 10 Nm
- 2: 20 Nm
- 3: 30 Nm
- 4: 40Nm



Start off on speed position 1 and let the wrench apply the vibration to the glow plug for at least 30 seconds. Steadily increase the torque by clicking the speed adjuster clockwise to the next setting, then continue to apply the vibration/torque for at least 30 seconds at each setting, until you feel that the glow plug is starting to unscrew. If the glow plug is stubborn it is beneficial to keep applying vibration.